



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

Arlon Product Number

48146X008

PRODUCT DESCRIPTION

Design / Construction

Side 1: Cured Silicone Rubber
Substrate: Style 1080 fiberglass
Side 2: Uncured Silicone Rubber
Interleave: 2.5 mil polyethylene



Rubber Add-On Thickness

	<u>Value</u>	<u>Method</u>
Side 1:	0.0025"	Arlon SQA-TMS-003
Side 2:	0.0025"	Arlon SQA-TMS-003
Overall Thickness:	0.0080"	Arlon SQA-TMS-003

Product Color : Grey

TYPICAL PROPERTIES

Silicone Properties

	<u>Value</u>	<u>Method</u>
Tensile Strength psi	800	Arlon SQA-TMS-008
Elongation %	225	Arlon SQA-TMS-008
Tear Strength (Die B) ppiw	90	Arlon SQA-TMS-029
Durometer Shore A Points	60	Arlon SQA-TMS-014
Specific Gravity ---	1.35	Arlon SQA-TMS-024

Substrate Properties

	<u>Value</u>	<u>Method</u>
Thickness	0.003"	Arlon SQA-TMS-003

Product Properties

	<u>Value</u>	<u>Method</u>
Dielectric Strength volts/mil	1180	Arlon SQA-TMS-020
Bond Strength (S1 to S1) lb/in	5.8	Arlon SQA-TMS-011
Total Product Weight oz/yd ²	7.3	Arlon SQA-TMS-025

SHELF LIFE AND PROCESSING RECOMMENDATIONS

Product Shelf Life: 6 months from date of manufacture @ 70°F

Note: Shelf life is defined as the duration of time for which the product will meet the physical characteristics outlined on this page. It does not guarantee the product's usefulness in all applications.

Recommended Cure Cycle 15 minutes @ 250°F and 50 psi

Recommended Postcure Cycle 400°F for 2 hours

Product Operating Temperature -70°F to 450°F

UL RECOGNITION

UL Recognition : E54153 (200/200°C RTI)

The data presented in this document represent typical values for the production material.

The data should not be used to write, or in place of, material specifications.

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